



City of San Marcos

630 East Hopkins
San Marcos, TX 78666

Work Session - Final City Council

Tuesday, September 3, 2019

3:00 PM

City Council Chambers

630 E. Hopkins - Work Session

I. Call To Order

II. Roll Call

PRESENTATIONS

1. Receive Staff presentation and hold discussion regarding the state of Cyber Security at the City, and provide direction to the City Manager.
2. Receive an update and hold discussion regarding the City's Bond Program related to the Fire Training Facility and the Library addition/renovation, and provide direction to the City Manager.

EXECUTIVE SESSION

3. Executive Session in accordance with the following Government Code Sections:
 - A. Section § 551.071 - Consultation with Attorney: to receive a staff briefing and deliberate regarding the creation of Hays County Municipal Utility District No. 8.
 - B. Section § 551.087 - Economic Development: to receive a staff briefing and deliberate regarding Hays County Municipal Utility District No. 8.

III. Adjournment.

POSTED ON FRIDAY, AUGUST 23, 2019 AT 5:30PM

JAMIE LEE CASE, CITY CLERK

Notice of Assistance at the Public Meetings

The City of San Marcos does not discriminate on the basis of disability in the admission or access to its services, programs, or activities. Individuals who require auxiliary aids and services for this meeting should contact the City of San Marcos ADA Coordinator at 512-393-8000 (voice) or call Texas Relay Service (TRS) by dialing 7-1-1. Requests can also be faxed to 855-461-6674 or sent by e-mail to ADArequest@sanmarcostx.gov



Legislation Text

File #: ID#19-489, **Version:** 1

AGENDA CAPTION:

Receive Staff presentation and hold discussion regarding the state of Cyber Security at the City, and provide direction to the City Manager.

Meeting date: September 3, 2019

Department: Mike Sturm, Director of Information Technology

Amount & Source of Funding

Funds Required: N/A

Account Number: Click or tap here to enter text.

Funds Available: Click or tap here to enter text.

Account Name: Click or tap here to enter text.

Fiscal Note:

Prior Council Action: Click or tap here to enter text.

City Council Strategic Initiative: [Please select from the dropdown menu below]

Choose an item.

Choose an item.

Choose an item.

Comprehensive Plan Element (s): [Please select the Plan element(s) and Goal # from dropdown menu below]

- ☐ Economic Development - Choose an item.
- ☐ Environment & Resource Protection - Choose an item.
- ☐ Land Use - Choose an item.
- ☐ Neighborhoods & Housing - Choose an item.
- ☐ Parks, Public Spaces & Facilities - Choose an item.
- ☐ Transportation - Choose an item.
- ☐ Not Applicable

Master Plan: [Please select the corresponding Master Plan from the dropdown menu below (if applicable)]

Choose an item.

Background Information:

Cyber Security attacks have become prevalent across the nation with an increase focus on government entities. Over the last fourteen years, the City's Information Technology department has proactively taken steps to reduce and mitigate the City's risk and exposure to a cyber threats.

Council Committee, Board/Commission Action:

Click or tap here to enter text.

Alternatives:

Click or tap here to enter text.

Recommendation:

Click or tap here to enter text.

CITY COUNCIL Cyber Security Work Session

Tuesday, September 3, 2019

Mike Sturm, Director of Information Technology
Carl Stewart, Assistant Director of Information Technology

Presentation

Staff presentation/discussion regarding the history and state of Cyber Security at the City.

All references to vendor names and software products have been redacted for security reasons. Not all security measures will be discussed as this is a public document and discussion.

Why We Are Here

Cyber Attack History

The City has been compromised by the following cyber attacks:

- Crypto-Locker
- Website – Denial of Service
- Business Email Compromise (4)

Cyber Attacks

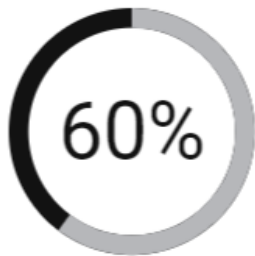
Cyber attack is any type of offensive action that targets computer information systems, infrastructures, computer networks or personal computer devices, using various methods to steal, alter or destroy data or information systems.

Common Cyber Attacks:

- Denial-of-Service (Dos)
- Phishing and spear phishing (Business Email Compromise)
- Password attack
- Malware (Ransomware)

Cyber Crime Stats – Nation Wide

Cyber crime is criminal activity that is carried out by means of computer or the Internet.



Cyber Attack

Percentage of companies that have experienced a cyber attack.



Reporting

Only 10% of cyber crimes reported in U.S each year.



Ransomware Attack

Every 14 seconds there is a ransomware attack occurring somewhere in the world.



You've Been Hacked

On average it takes companies 6 months to detect a data breach.

“Cyber Crime and data breaches are estimated to cost businesses roughly \$2 trillion globally in 2019”

Estimated Ransomware Costs - Texas 2019

County



\$3,250,000

City



\$2,340,000

Education



\$1,800,000

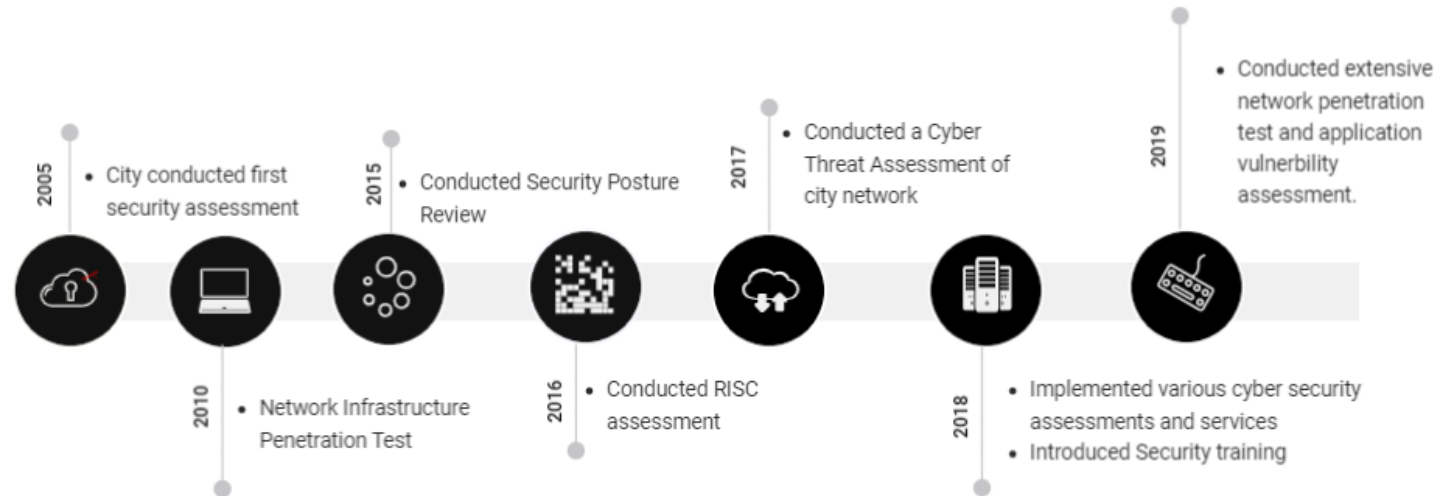
Unreported



\$5,000,000

What We Are Doing

Cyber Security Assessments - CoSM



Email Security

- Rules has been implemented to scan for critical or sensitive data from leaving the City network – email must be encrypted
- Implemented rules to prohibit attackers from using the City's email address
- All external emails are flagged for easy recognition
- Implemented an easy way for employees to report phishing from any device
- All emails have a standardized city signature

Security Features

- Implemented new technology on all external connections into the City's network
- Block all bad known IP addresses from communicating with the City's network
- Log forwarding for Firewall Logs
- Follow recommended best practices for remote connectivity
- Backup validation daily
- Critical infrastructure are protected with enhanced security features
- Automated firmware and security patch installation
- Multifactor authentication for mobile devices
- Application control for servers and workstation
- (Future) Library Isolation – *Public access*

Training and Education

- Mandatory Security Awareness Training
 - Conduct training during onboarding
 - Annual security training for all employees
 - Conduct periodic Phishing campaigns
- Keep employees informed on current cyber threats
- Conduct ad-hoc face-to-face security awareness training for the organization
- Attend regional training events/exercises
- Conduct Disaster Recovery exercises

Policies, Plans and Procedures

- Security Awareness Training Policy
- IT Security Policy
- Security Incident Response Plan
- Disaster Recovery Plan

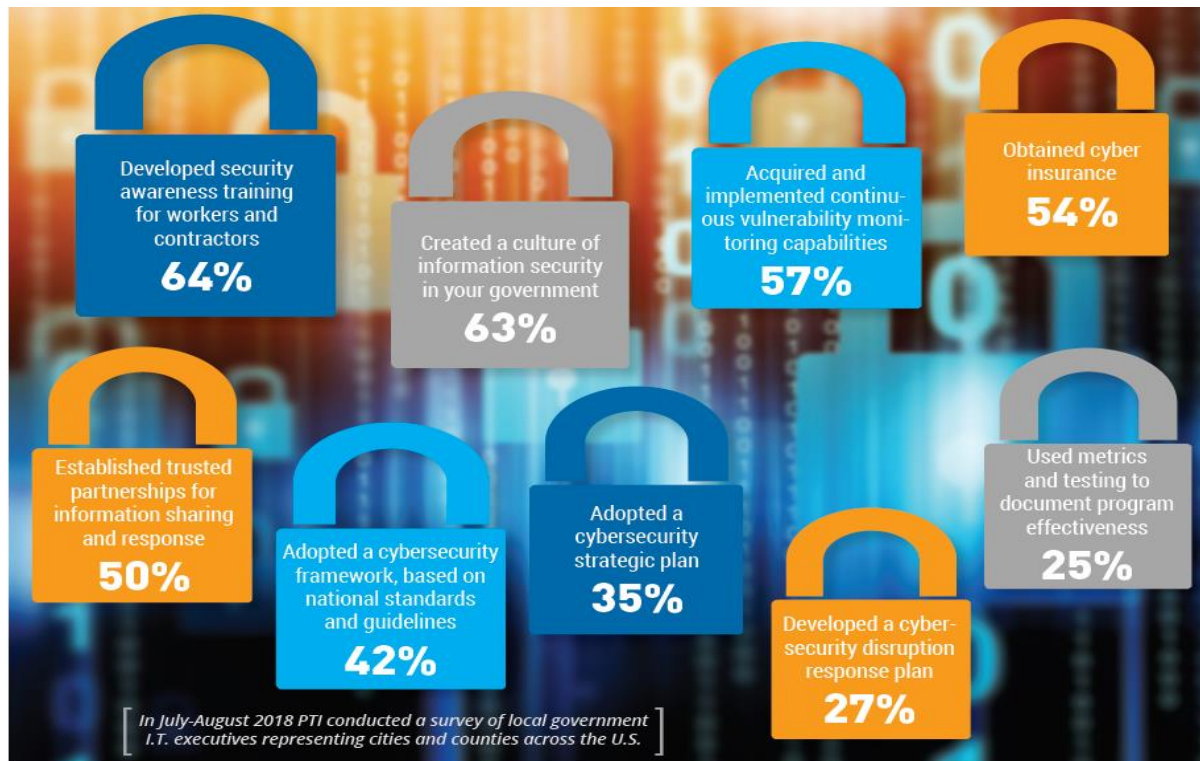
City's Insurance Protection

- Cyber threats are becoming increasingly common, and governmental entities are exposed to this threat. The City has a \$1,000,000 cyber liability policy with a \$0 deductible to cover security and privacy liability and a cyber Breach response (post-breach) service of up to \$50,000.
- The information security and privacy liability insuring agreement is the true liability coverage component of a cyber and privacy insurance policy because it pays actual liability losses sustained from claims made against the insured by various parties.
- The post-breach services include:
 - Privacy Breach Response Services
 - Notification of Affected Individuals
 - Call Center Support
 - Breach Resolution
 - Legal Services
 - Computer Expert Services
 - Public Relations and Crisis Management Services

Resources

- Multi State Information Sharing & Analysis Center (MS-ISAC)
- Department of Homeland Security (DHS)
- InfraGard
- United States – Computer Emergency Readiness Team (US – CERT)
- Managed Security Services – Department of Information Resources (DIR)
- Texas Association of Government Information Technology Managers (TAGITM)
- Office of Emergency Management
- US Secret Services
- Federal Bureau of Investigation
- Future - *(Texas - Information Sharing and Analysis Center- ISAC)*

Cyber Security Survey – Nation Wide



Looking Forward

Attacks have become more sophisticated and it is our job to evolve and adapt to protect the City.

- Continue training and educating staff (IT and End-Users)
- Conduct operational exercisers to validate processes and familiarize and train staff
- Evaluate and re-evaluate current security features, process, and policies
- Stay informed and continue working with security experts and consultants to test and validate our security posture.

Questions?



Legislation Text

File #: ID#19-490, **Version:** 1

AGENDA CAPTION:

Receive an update and hold discussion regarding the City's Bond Program related to the Fire Training Facility and the Library addition/renovation, and provide direction to the City Manager.

Meeting date: September 3, 2019

Department: City Manager's Office

Amount & Source of Funding

Funds Required: N/A

Account Number: Click or tap here to enter text.

Funds Available: Click or tap here to enter text.

Account Name: Click or tap here to enter text.

Fiscal Note:

Prior Council Action: Click or tap here to enter text.

City Council Strategic Initiative: [Please select from the dropdown menu below]

Choose an item.

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Comprehensive Plan Element (s): [Please select the Plan element(s) and Goal # from dropdown menu below]

- ☐ Economic Development - Choose an item.
- ☐ Environment & Resource Protection - Choose an item.
- ☐ Land Use - Choose an item.
- ☐ Neighborhoods & Housing - Choose an item.
- ☐ Parks, Public Spaces & Facilities - Choose an item.
- ☐ Transportation - Choose an item.
- ☐ Not Applicable

Master Plan: [Please select the corresponding Master Plan from the dropdown menu below (if applicable)]

Choose an item.

Background Information:

The City's Bond Project managers with Jacobs will be providing the City Council with an update related to the Fire Training Facility and Library addition and renovation.

Council Committee, Board/Commission Action:

Click or tap here to enter text.

Alternatives:

Click or tap here to enter text.

Recommendation:

Click or tap here to enter text.

City of San Marcos *Bond Program Status Update*

- Fire Training Facility Masterplan
- Library Addition/ Renovation

3 September 2019



San Marcos Fire Training Center Master Plan



abercrombie
PLANNING+DESIGN

SAN MARCOS FIRE DEPARTMENT FIRE TRAINING CENTER

EXISTING SITE INFORMATION

The fire training center site is located along State Highway 21 within the limits of the San Marcos Regional Airport.

This site is approximately 5 miles from central San Marcos and 30 miles from Austin.

The airport has defined runway approach zones, none of which are over this site. The residences on the north side of highway 21 are sparse and significantly set back from the highway.



Estimated total cost to bring sanitary sewer and water to site exceeds our current bond budget. Off site utilities will be addressed in upcoming City CIP 2021-2022 infrastructure project.



Needs Analysis

- Review of Current and Anticipated Departmental Staffing
- Review of Current Training Practices
- Stakeholder Focus Group Interviews
- Photo Survey of Target Hazards
- Review of Existing Facilities
- Benchmarking of Best Practices in Fire Training Facilities



Photo Study





Photo Study





Photo Study





Photo Study





Photo Study





Priority Target Hazards

- Multi-Family Residential
- Difficult Single Family Residential
- High Rise/Vulnerable Population
- Big Box/Warehouse
- Historic Structures
- Hazardous Materials
- Transportation



Key Training Challenges

- Stair Access (Interior and Exterior)
- Exposures
- Limited or Diminished Access
- Large Area Search
- Technical Rescue
- Rescue of High Risk Populations
- Terrain
- High Water

SAN MARCOS FIRE DEPARTMENT FIRE TRAINING CENTER

FUTURE PHASES

CONSTRUCTION:

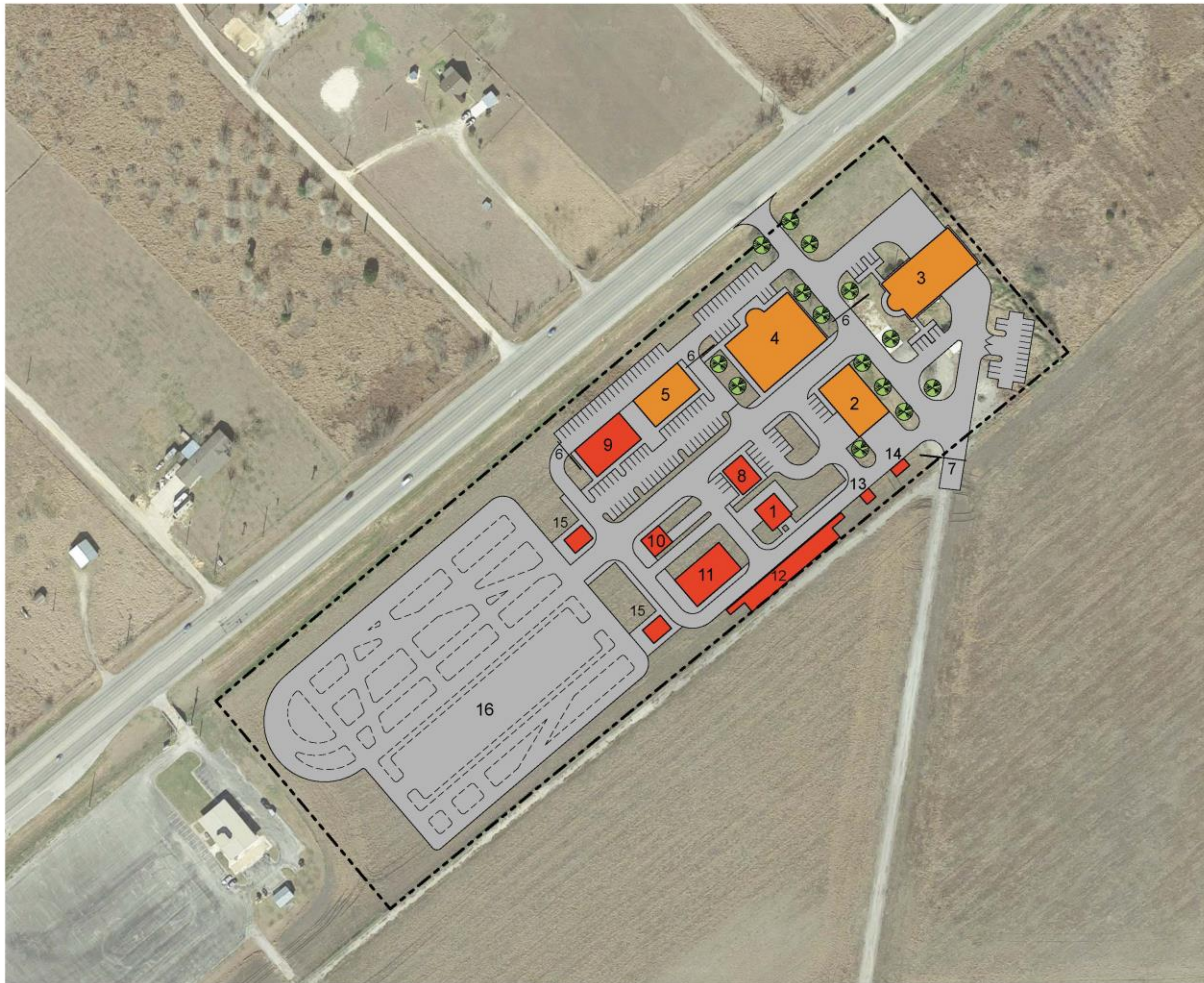
PAVING- CONNECTIONS TO NEW BUILDINGS
AND PROPS, PARKING

TRAINING TOOLS:

- 2 LOGISTICS BUILDING
- 3 FIRE STATION
- 4 ADMINISTRATION/CLASSROOM BUILDING
- 5 TRAINING STORAGE BUILDING
- 6 TRAFFIC GATES
- 7 HIGH SPEED GATES

PROPS:

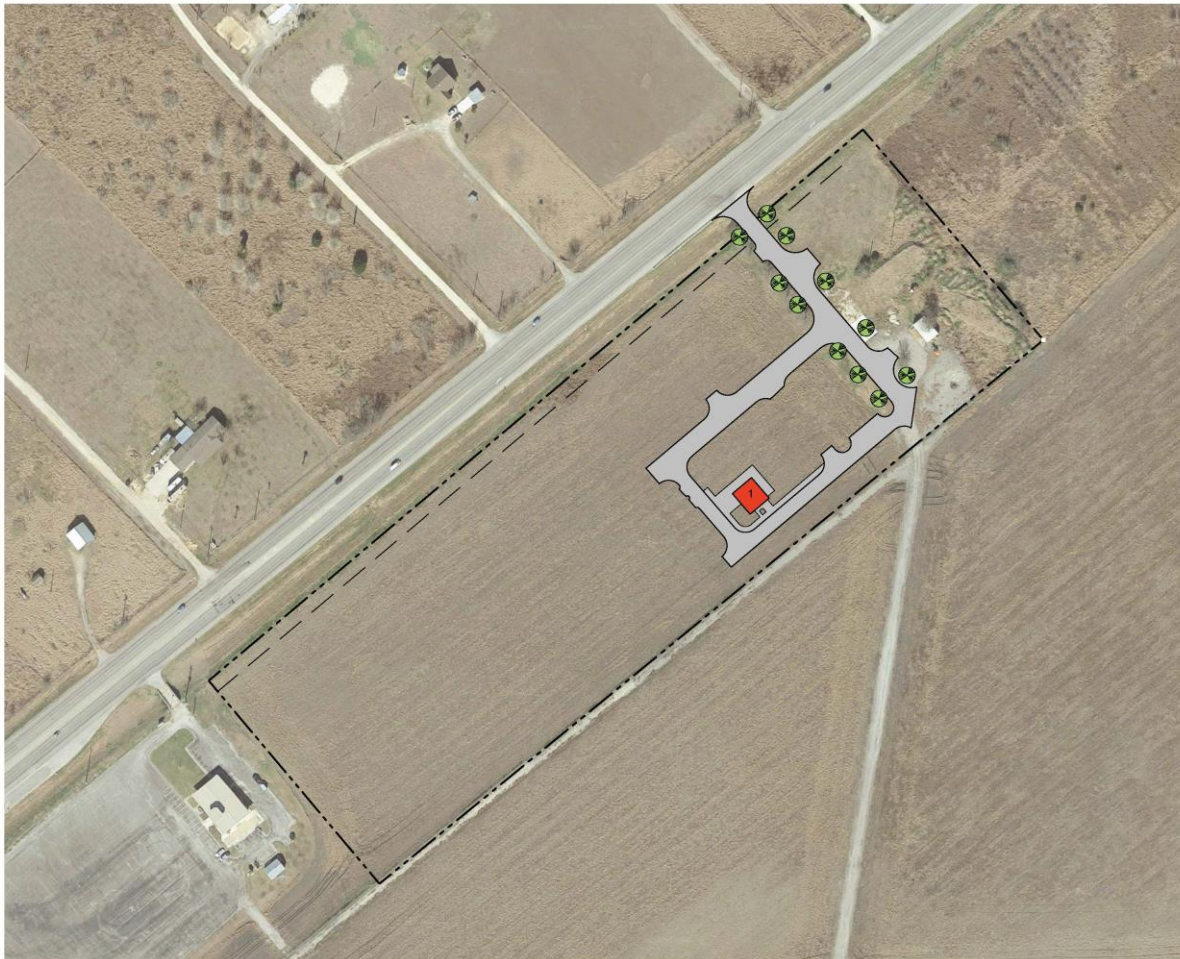
- 1 TWO STORY RESIDENCE BURN BUILDING
- 8 THREE STORY APARTMENT BURN BUILDING
- 9 SHOPPING CENTER BURN BUILDING
- 10 SIX STORY TOWER BURN BUILDING
- 11 USAR TECHNICAL RESCUE AREA
- 12 HAZARDOUS MATERIAL PROP
- 13 CAR FIRE PROP
- 14 FUEL CONTAINER PROP
- 15 OUTDOOR CLASSROOMS
- 16 DRIVING SKILLS PAD





Prioritized Training Elements

- 6 Story High Rise Burn Building
- Technical Rescue Training Structure
- 3 Story Apartment Burn Building
- Emergency Vehicle Driving Course
- 2 Story Residential Burn Building
- Commercial/Strip Shopping Center Burn Building



SAN MARCOS FIRE DEPARTMENT FIRE TRAINING CENTER

PHASE ONE

Water and Sanitary Sewer to Site Not Included

CONSTRUCTION:

PAVING: NEW DRIVE CROSSING

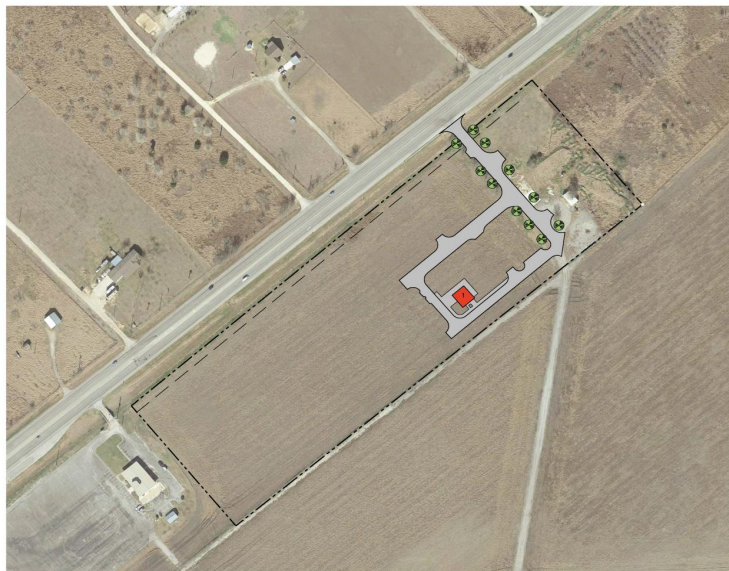
CULVERT, CONNECTING TO PROP

PROPS:

1. TWO-STORY RESIDENCE BURN BUILDING

PHASE 1

DESCRIPTION	QUANTITY	SIZE (SF)	TOTAL (SF)	COSTS (\$/SF)	TOTAL CORE COST	COMMENTS
TRAINING FIELD /LIVE-FIRE TRAINING CITYSCAPE						
1. TWO-STORY RESIDENTIAL TRAINING / CLASS A BURN BUILDING					\$1,032,500	
BUILDING	1	2,500	2,500	\$250	\$625,000	
BURN RACKS, HIGH TEMP LINING AND INSTALLATION					\$250,000	
Soft Cost 18%					\$157,500	Includes Architectural, Engineering, and Reimbursable Costs
2. CIVIL / SITE WORK					\$821,280	
Civil / Site Work					\$696,000	Does not include off site utilities
Soft Cost 18%					\$125,280	Includes Architectural, Engineering, and Reimbursable Costs
GRAND TOTAL					\$1,853,780	



SAN MARCOS FIRE DEPARTMENT FIRE TRAINING CENTER

PHASE ONE

CONSTRUCTION:
PAVING: NEW DRIVE CROSSING
CULVERT, CONNECTING TO PROP

PROPS:
1. TWO-STORY RESIDENCE BURN BUILDING

SAN MARCOS FIRE DEPARTMENT FIRE TRAINING CENTER

FUTURE PHASES

CONSTRUCTION:

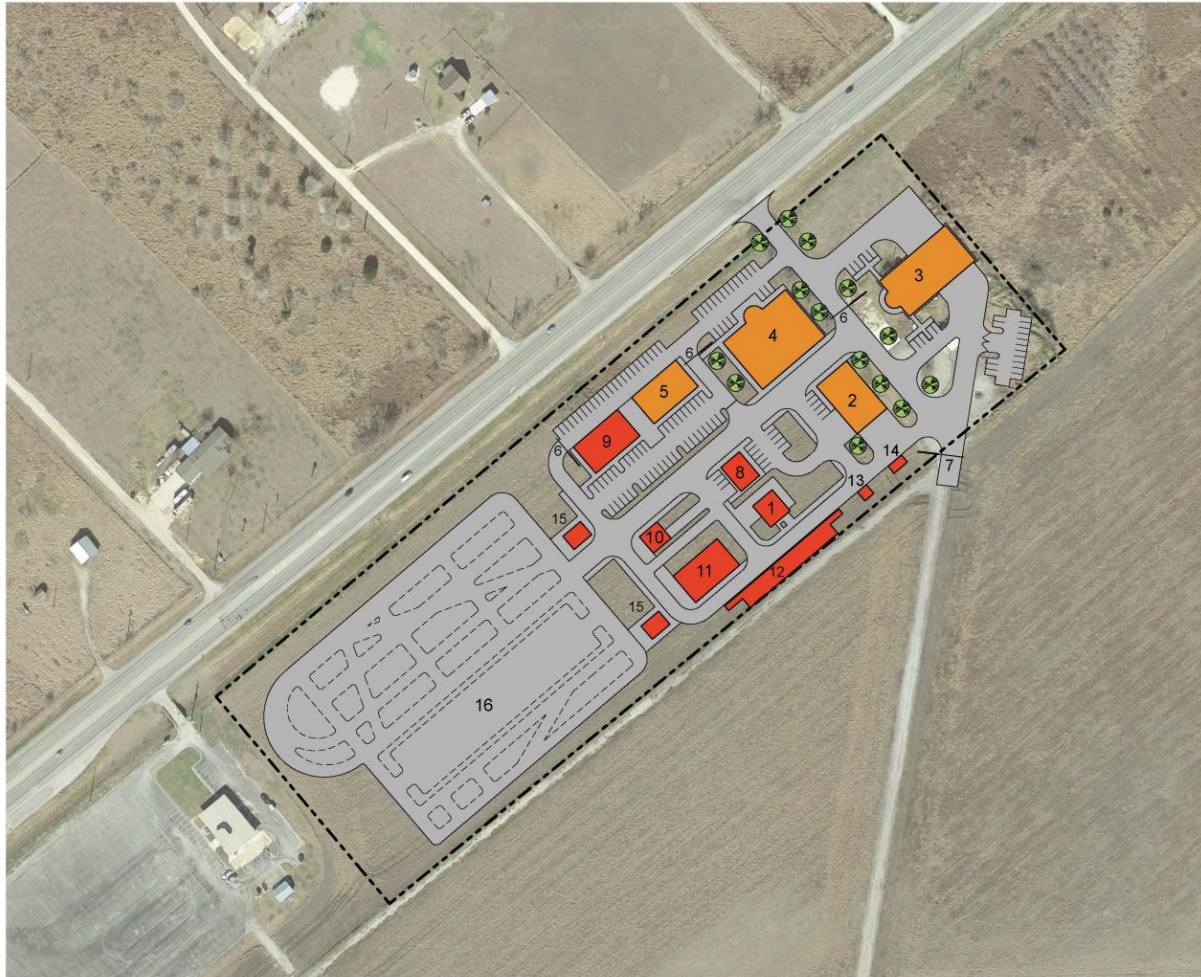
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- 15 OUTDOOR CLASSROOMS
- 16 DRIVING SKILLS PAD



QUESTIONS?

abercrombie
PLANNING+DESIGN

Library Addition/ Renovation

BOND PROGRAM STATUS



Total Project Budget	Estimated Total Project Cost
\$14.6 Million	\$15.6 Million

- GMP negotiations finalized
- D/B construction estimates in-line with projected costs presented in June
- \$12.1M GMP will keep project in-budget w/ assistance of Friends of the Library \$1M pledge
- GMP amendment on September 17th council agenda for approval
- Early sitework construction drawings under review by Permit Dept.
- Construction to begin after GMP approval
- Project completion scheduled early 2021



Overall Site Plan

BOND PROGRAM STATUS



- Additional parking east of the existing lot (193 spaces total)
- New covered drive-thru book drop off
- Existing front entrance repurposed as secured children's reading garden
- New adult reading garden attached to new addition

SITE PLAN



SAN MARCOS
We'd love your company.

CITY OF SAN MARCOS
NEW PUBLIC LIBRARY

DESIGN REVIEW MEETING | AUGUST 05, 2019

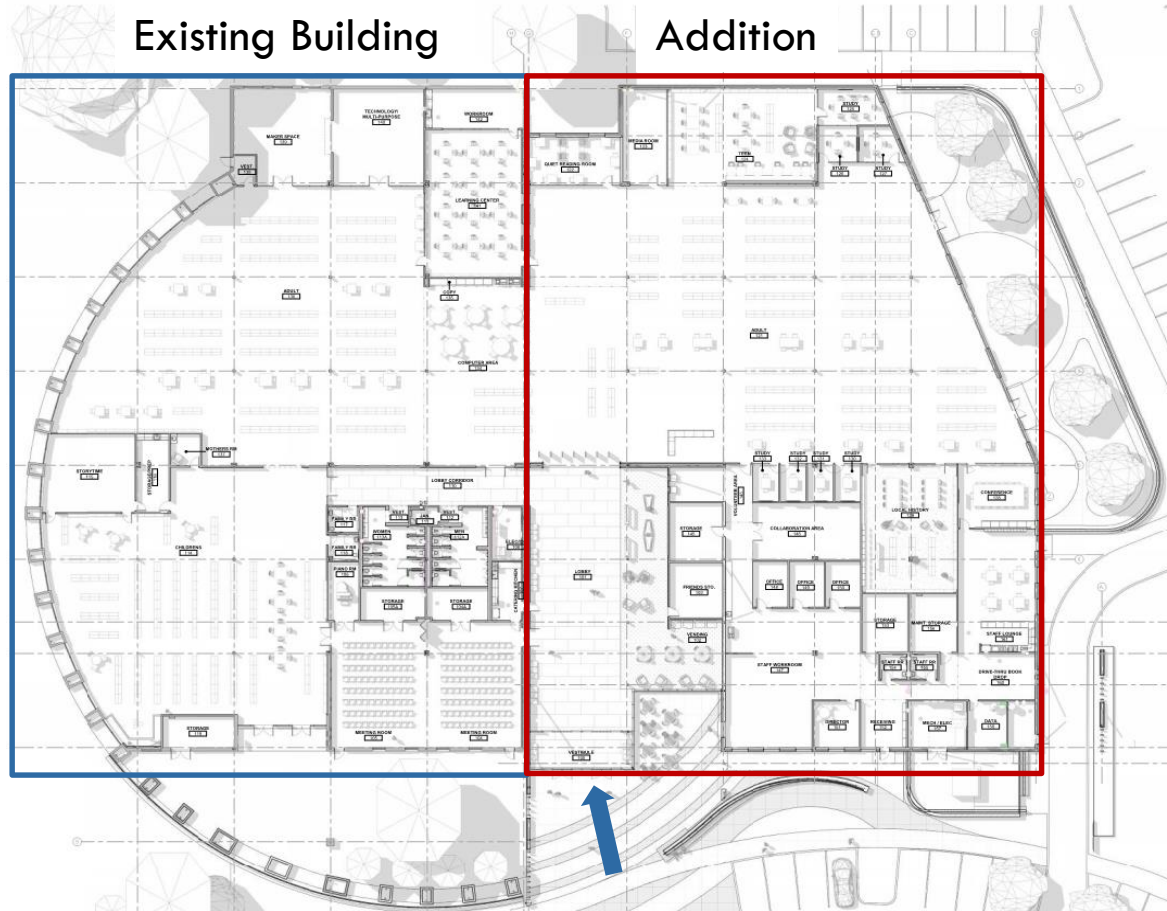


JACOBS

Overall Floor Plan

BOND PROGRAM STATUS

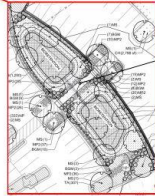
- Interior design process ongoing, designing to GMP budget
- Complete renovation of existing space
- New addition more than doubles usable space
- Large meeting room to hold groups of 200+ people
- 10+ multipurpose meeting rooms and study spaces
- Expanded lobby/additional congregation space at new entrance



Sustainability Strategies

BOND PROGRAM STATUS

- Raingardens between parking lots to provide stormwater quality assistance
- 20+ new trees to be planted along Hopkins St.
- COSM's Conservation Dept. has identified additional funds to be used for sustainability features
- Design team working to add rainwater harvesting system and artificial turf to the design with additional funds



Bioretention Pond with land bridge (Current HVJ Design)

LEGEND

- Proposed Water Tank Location

QUESTIONS?



Legislation Text

File #: ID#19-469, **Version:** 1

AGENDA CAPTION:

Executive Session in accordance with the following Government Code Sections:

- A. Section § 551.071 - Consultation with Attorney: to receive a staff briefing and deliberate regarding the creation of Hays County Municipal Utility District No. 8.
- B. Section § 551.087 - Economic Development: to receive a staff briefing and deliberate regarding Hays County Municipal Utility District No. 8.

Meeting date: 9/3/2019

Department: City Clerk's Office on behalf of the City Council

Amount & Source of Funding

Funds Required: [Click or tap here to enter text.](#)

Account Number: [Click or tap here to enter text.](#)

Funds Available: [Click or tap here to enter text.](#)

Account Name: [Click or tap here to enter text.](#)

Fiscal Note:

Prior Council Action: [Click or tap here to enter text.](#)

City Council Goal: [Please select goal from dropdown menu below]

[Choose an item.](#)

[Choose an item.](#)

[Choose an item.](#)

Comprehensive Plan Element (s): [Please select the Plan element(s) and Goal # from dropdown menu below]

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- ☐ Not Applicable

Master Plan: *[Please select the corresponding Master Plan from the dropdown menu below (if applicable)]*

Choose an item.

Background Information:

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Alternatives:

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Recommendation:

Click or tap here to enter text.